What is claimed is:

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1. A rear projector comprising:

a housing that has a front side thereof formed with an opening defined by an opening edge portion of the housing;

a screen panel that is slightly larger in size than the opening of the housing and attached to the front side of the housing such that the opening edge portion of the opening of the housing and a periphery of the screen panel are opposed to each other, the screen panel receiving projection light projected from a rear side thereof for image display, and thereby displaying an image thereon;

a projection mechanism that is disposed within the housing, for projecting the projection light; and

a dust-proofing elastic member that is disposed between the periphery of the screen panel and the opening edge portion, the screen panel is attached to the housing.

2. A rear projector as claimed in claim 1, wherein the dust-proofing elastic member is formed of a closed-cell expanded resin.